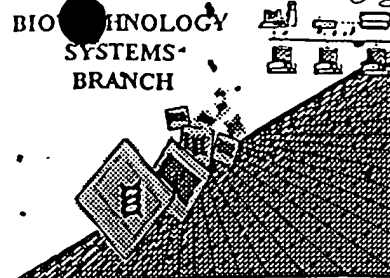


RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/990,659

Source: OIPE

Date Processed by STIC: 11/29/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/990,659

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 J Use of <220> Sequence(s) 1-2, 5, 7 missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (Sec "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OICE

RAW SEQUENCE LISTING

DATE: 11/29/2001

PATENT APPLICATION: US/09/990,659

TIME: 10:46:19

Input Set : A:\es.txt

Output Set: N:\CRF3\11212001\I990659.raw

pg 1-2, 6
Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Hillyard, Jeanna
4 Roberts, James
5 Ye, Minwei
7 <120> TITLE OF INVENTION: Cotton Event PV-GHBK04 (757) and Compositions and Methods
for Detection

8 Thereof
10 <130> FILE REFERENCE: 38-21 (52288)B
12 <140> CURRENT APPLICATION NUMBER: US/09/990,659
12 <141> CURRENT FILING DATE: 2001-11-16
12 <150> PRIOR APPLICATION NUMBER: US60/249,757
13 <151> PRIOR FILING DATE: 2000-11-17
15 <160> NUMBER OF SEQ ID NOS: 21
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
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21 <212> TYPE: DNA
22 <213> ORGANISM: artificial sequence

24 <220> FEATURE:
25 <221> NAME/KEY: misc_feature
26 <222> LOCATION: (1)..(20)

W--> 28 <223> OTHER INFORMATION:

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29 gtttgcttg acactgatag

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34 <212> TYPE: DNA

35 <213> ORGANISM: artificial sequence

37 <220> FEATURE:

38 <221> NAME/KEY: misc_feature

39 <222> LOCATION: (1)..(20)

W--> 41 <223> OTHER INFORMATION: same error

41 <400> SEQUENCE: 2

42 aaaccctttc tggaaaata

45 <210> SEQ ID NO: 3

46 <211> LENGTH: 20

47 <212> TYPE: DNA

48 <213> ORGANISM: Gossypium hirsutum

50 <220> FEATURE:

51 <221> NAME/KEY: misc_feature

52 <222> LOCATION: (1)..(20)

54 <400> SEQUENCE: 3

55 tgttctgtgg aaaaggaagg

58 <210> SEQ ID NO: 4

59 <211> LENGTH: 20

60 <212> TYPE: DNA

61 <213> ORGANISM: Gossypium hirsutum

63 <220> FEATURE:

64 <221> NAME/KEY: misc_feature

20 This numeric identifier and response
are
mandatory
whenever
<213> response
is Unknown
or is
Artificial
Sequence
(see item
11 on
Error
summary
sheet)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001
TIME: 10:46:19

Input Set : A:\es.txt
Output Set: N:\CRF3\11212001\I990659.raw

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65 <222> LOCATION: (1)..(20)
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78 <222> LOCATION: (1)..(138)
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83 aggtcaattc aatattgtgg caggacattg ctacatgata cctcttagaa ttgttttagac    120
85 ttcagatcga tcttgtca                138
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 767
90 <212> TYPE: DNA
91 <213> ORGANISM: Gossypium hirsutum
93 <220> FEATURE:
94 <221> NAME/KEY: Unsure
95 <222> LOCATION: (1)..(767)
96 <223> OTHER INFORMATION: 5' cotton (Gossypium hirsutum) genome sequence
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102 catattcaac tgaaactccc aaagccattc ctacttttagc ttttcaccca ctaactcaaa    120
104 agaaaacact cacctagctt ctttgctttt tcttttggat tgttttagat ctacaaaaag    180
106 atgattcaag aatccttgg aggttcttct tgcttaaact ttggagggga gaggaagatc    240
108 tccatcaatg gaagcatttt ggaaggaacc cccacttctt ctccatcacc atcatcttct    300
110 tcttcttcgg cgacgacttc atcgaccact aattcatcga atccggagaa tcatcaccag    360
112 aatttgaggt gccccagggt tgattcctcc aacacaaagt tctgctatta caacaactac    420
114 aacctcactc agcctcgtca cttttgcaag acttgccgtc ggtattggac caaaggagga    480
116 gctctcagaa acgttcctat tgggtggtgg tgtaggaaaa acaaaagcac tactggtggt    540
118 tcaacatctc tggggaaatc aacttcttcc aagatgaaaa cagtagtttc tgaaattgga    600
120 agatctgggt tcgatcatga gcttcagtct actccaattc tttggacttc agcggcccag    660
122 acttcccac tctatccaa tctaacctca atgagagcta ccctaaaccc taaccctaac    720
124 acattgtcta accctgttag tattaaggaa gaagtgaagt tgcttgg                767
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 206
129 <212> TYPE: DNA
130 <213> ORGANISM: artificial sequence
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (1)..(206)
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136 <400> SEQUENCE: 7
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139 tcttttttga atgctgctcc gtcgtcaggc tttccgacgt ttgggtggtt gaacagaagt    120
141 cattatcgca cgaatgccca agcactcccg aggggaaccc tgtggttggc atgcacatac    180

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001
TIME: 10:46:19

Input Set : A:\es.txt
Output Set: N:\CRF3\11212001\I990659.raw

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143 aaatggacga acggataaac cctttc                206
146 <210> SEQ ID NO: 8
147 <211> LENGTH: 307
148 <212> TYPE: DNA
149 <213> ORGANISM: Gossypium hirsutum
151 <220> FEATURE:
152 <221> NAME/KEY: Unsure
153 <222> LOCATION: (1)..(307)
154 <223> OTHER INFORMATION: 3' cotton (Gossypium hirsutum) genome sequence
157 <400> SEQUENCE: 8
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160 gaagttcaaaa acacaggtat tcaagaactg tatcaaaggc tcaaatgcat atcaagttat      120
162 tactctgata cttcagcagt aattctaagc aatgtcgctt cttcttcac aacatccatt      180
164 ttggagtcag ctccagttgc tgggggagaa ttgggttact ggaatccggc attttcatca      240
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168 gtttaat                                         307
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172 <211> LENGTH: 26
173 <212> TYPE: DNA
174 <213> ORGANISM: artificial sequence
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature
178 <222> LOCATION: (1)..(26)
179 <223> OTHER INFORMATION: 5' cotton (Gossypium hirsutum) genome PCR primer
182 <400> SEQUENCE: 9
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186 <210> SEQ ID NO: 10
187 <211> LENGTH: 28
188 <212> TYPE: DNA
189 <213> ORGANISM: artificial sequence
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (1)..(28)
194 <223> OTHER INFORMATION: 5' insert PCR primer
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201 <210> SEQ ID NO: 11
202 <211> LENGTH: 24
203 <212> TYPE: DNA
204 <213> ORGANISM: artificial sequence
206 <220> FEATURE:
207 <221> NAME/KEY: misc_feature
208 <222> LOCATION: (1)..(24)
209 <223> OTHER INFORMATION: 3' insert PCR primer
212 <400> SEQUENCE: 11
213 ttcccaacga tcaaggcgag ttac                24
216 <210> SEQ ID NO: 12
217 <211> LENGTH: 27
218 <212> TYPE: DNA

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RAW SEQUENCE LISTING
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Input Set : A:\es.txt
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```

219 <213> ORGANISM: artificial sequence
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)..(27)
224 <223> OTHER INFORMATION: 3' cotton (Gossypium hirsutum) genome PCR primer
227 <400> SEQUENCE: 12
228 ttgatgcact tacgaaagaa gaaccga                == 27
231 <210> SEQ ID NO: 13
232 <211> LENGTH: 905
233 <212> TYPE: DNA
234 <213> ORGANISM: artificial sequence
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (1)..(905)
239 <223> OTHER INFORMATION: 5' cotton (Gossypium hirsutum) genome + insert sequence
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247 agaaaacact cacctagctt ctttgctttt tcttttgat tgtttttagat ctacaaaaag      180
249 atgattcaag aactccttgg aggttcttct tgcttaaaact ttggagggga gaggaagatc      240
251 tccatcaatg gaagcatttt ggaagggaacc cccacttctt ctccatcacc atcatcttct      300
253 tcttcttcgg cgacgacttc atcgacactc aattcatcga atccggagaa tcatcaccag      360
255 aatttgaggt gccccagggtg tgattcctcc aacacaaagt tctgctatta caacaactac      420
257 aacctcactc agcctcgtca cttttgcaag acttgccgtc ggtattggac caaaggagga      480
259 gctctcagaa acgttccctat tgggtggtggg tgtaggaaaa acaaaagcac tactggtggt      540
261 tcaacatctc tgggggaaatc aacttcttcc aagatgaaaa cagtagtttc tgaaattgga      600
263 agatctgggt tcgatcatga gcttcagtct actccaattc tttaggacttc agcgggccag      660
265 acttcccatac ttctatccaa tctaacctca atgagagcta ccctaaaccc taaccctaac      720
267 acattgtcta accctgttag tattaaggaa gaagtgaagt tgcttggaac ctgatagttt      780
269 aaactgaagg cgggaaacga caatctgata ccagcttgca tgccctgcagg tcaattcaat      840
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284 <223> OTHER INFORMATION: 3' cotton (Gossypium hirsutum) genome + insert sequence
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292 cattatcgca cggaaatgcc agcaactccg aggggaaccc tgtggttggc atgcacatac      180
294 aaatggacga acggataaac cctttctgga aaaataatca acaccacgct caacaacaac      240
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300 tcgcttcttc ttcatcaaca tccattttgg agtcagctcc agttgctggg ggagaattgg      420
302 gttactggaa tccggcattt tcatcatcgt ggtctgatct tccaacaact aatggtgcat      480

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/990,659

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Input Set : A:\es.txt

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309 <212> TYPE: DNA
310 <213> ORGANISM: artificial sequence
312 <220> FEATURE:
313 <221> NAME/KEY: misc_feature
314 <222> LOCATION: (1)..(4973)
315 <223> OTHER INFORMATION: sequence of 5' flank to full-length crylAc coding region
318 <400> SEQUENCE: 15
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323 gatagtttaa actgaaggcg ggaaacgaca atctgatccc agcttgcacg cctgcaggtc 180
325 aattcaatat tgtggcagga cattgctaca tgatacctct tagaattgtt tagacttcag 240
327 atcgatcttg tcagtctgaa agacccaaaa acaaatgcaa tttcttttct ggtagaccgt 300
329 gacaatttgt ctaagatgta tctgatttaa tgccttttgt atataataca ctcactcaat 360
331 ctagttaatt tagcttcaga gtaaattact tcagcatatt tatacgtgcc aagtgccaac 420
333 catatcaaat tagctaagca gacagttgaa gtacacaaaa caaaagcacc atatgctgat 480
335 ttattttattc atagatggag ctcaagtcat agttaaatag cccgatactt tcctcgtcca 540
337 ctatgagcta ttacagcata cattttagta ctacatactt attcagtaaa aagccctcaa 600
339 aattgaagac aaaggacggg atcccggggt accgagctcg aattcaggcc tctagatctc 660
341 attattcctc catcaagaga agctccacgc tgtccacgat gaaggttccc tcggtttcac 720
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371 cacgagcgag agcttcaccg accaatgggt tctcttcgag aaactcaagg ttgccaagtc 1620
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<210> 20

<211> 19

<212> DNA

<213> artificial sequence

artificial

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/990,659

DATE: 11/29/2001

TIME: 10:46:20

Input Set : A:\es.txt

Output Set: N:\CRF3\11212001\I990659.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:28 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:41 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:80 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:136 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:553 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID# 20